Docket Number (Optional) U/19987-0012

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint invention names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ntitled:

SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

the specification of which (check one)

() is attached hereto.

(x) was filed on <u>January 23, 1997</u> as United States Application Number or PCT International Application Number <u>08/786.988</u>.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)	•		Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
			() Yes () No
(Number)	(Country)	(Day/Month/Year Filed)	***************************************
hereby claim the benefit under Ti	tle 35, United States Code, § 11	19(e) of any United States Provisional a	pplication(s) listed below.
Application Number)	(Filing Date)		
Application Number)	(Filing Date)		
provided by the first paragraph of	Title 35, United States Code, { d in Title 37, code of Federal Re		ose information which is lable between the filing
Application Number)	(Filing Date)	(Status - patente	ed, pending, abandoned)
	Maglication Number		155
patented, pending, abandoned)	(Application Number)	(Filing Date)	(Status -
C. Gorecki, Reg. No. 38,471; Edv	vard J. Kelly, Reg. No. 38,936;	lla, Reg. No. 38,099; Gregory J. Glove Donald W. Muirhead, Reg. No. 33,976 o transact all business in the Patent an	8: and Matthew P. Vincen
Address all telephone calls to Edv	vard J. Kelly at telephone numb	er (617)832-1000.	
Address all correspondence to:	Patent Group		
	Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170		
pelief are believed to be true; and the like so made are punishable b	One Post Office Square Boston, Ma. 02109-2170 ts made herein of my own know further that these statements by fine or imprisonment, or both,	wledge are true and that all statements were made with the knowledge that w under Section 1001 of Title 18 of the the application or any patent issued the	illful false statements and United States Code and
pelief are believed to be true; and the like so made are punishable be that such willful false statements. Full name of sole or first inventor.	One Post Office Square Boston, Ma. 02109-2170 ts made herein of my own know further that these statements by fine or imprisonment, or both, may jeopardize the validity of the control of	were made with the knowledge that w under Section 1001 of Title 18 of the the application or any patent issued the tiel P. Little	illful false statements and e United States Code and ereon.
pelief are believed to be true; and the like so made are punishable b that such willful false statements	One Post Office Square Boston, Ma. 02109-2170 ts made herein of my own know further that these statements by fine or imprisonment, or both, may jeopardize the validity of the company of	were made with the knowledge that w under Section 1001 of Title 18 of the the application or any patent issued the tiel P. Little	illful false statements and a United States Code and ereon.
pelief are believed to be true; and the like so made are punishable bethat such willful false statements. Full name of sole or first inventor niventor's signature. Residence 393 Glendale Lake Rose SA	One Post Office Square Boston, Ma. 02109-2170 ts made herein of my own know further that these statements w y fine or imprisonment, or both, may jeopardize the validity of t (given name, family name) Dan ad. Patton. PA 16668 ME AS ABOVE	were made with the knowledge that wounder Section 1001 of Title 18 of the the application or any patent issued the siel P. Little Date Citizens Characterist Common Maryanne J. O'Donnell-Maloney	illful false statements and a United States Code and ereon.
pelief are believed to be true; and the like so made are punishable bethat such willful false statements. Full name of sole or first inventor nventor's signature. Residence 393 Glendale Lake Roz SA	One Post Office Square Boston, Ma. 02109-2170 ts made herein of my own know further that these statements by fine or imprisonment, or both, may jeopardize the validity of the local field of the local fie	were made with the knowledge that wounder Section 1001 of Title 18 of the the application or any patent issued the siel P. Little Date Citizens Date	illful false statements and united States Code and ereon.



Sheet 2 of 2

CA

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name) Charles R. Can		
Inventor's signature	Date Citizenship	US
Post Office Addr ss SAME AS ABOVE	Cruzeriship _	
Full name of fourth inventor (given name, family name) Hubert Köster		
Inventor's signature	Date	
Residence 1640 Monument Street, Concord, MA 01742	Citizenship _	US
Post Office Address SAME AS ABOVE	· .	

As a below gamed inversor, I hereby

lare that:

D cket Number (Optional) U/19987-0012

My residence, post office addr ss and citizenship are as stated below next t my name.

I believe I am the original, first and sole inventor (if nly one name is listed below) or an riginal, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

the specification f which (check one)

() is attached hereto.

(x) was filed on <u>January 23. 1997</u> as United States Application Number or PCT International Application Number <u>08/786.988</u>.

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I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulation, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
(Number)	(Country)	(Day/Month) Year Fried)	
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
hereby claim the henefit under	Title 35 United States Code 4	i 119(e) of any United States Provisional applic	etion/e) listed below
	·	Troto, or any officer officer revisional application	duonta, nated below.
Application Number)	(Filing Date)		
••		en e	
Application Number)	(Filing Date)		
naterial to patentability as defin	ned in Title 37, code of Federa	e, § 112, I acknowledge the duty to disclose if Regulations, § 1.56 which became available half filing date of this application.	information which is between the filing
Application Number)	(Filing Date)	(Status - patented, p	ending, abandoned)
	(Application Numb		
		ner) (Eiling Date)	(Statue -
atented, pending, abandoned)	(Application Number	per) (Filing Date)	(Status -
hereby appoint Beth E. Arnold . Gorecki, Reg. No. 38,471; E eg. No. 36,709 as attorneys t	, Reg. No. 35,430; Charles H. dward J. Kelly, Reg. No. 38.9	Cella, Reg. No. 38,099; Gregory J. Glover, Re 36; Donald W. Muirhead, Reg. No. 33,978; ar nd to transact all business in the Patent and Tr	eg. No. 34,173; Joh
hereby appoint Beth E. Arnold . Gorecki, Reg. No. 38,471; E eg. No. 36,709 as attorneys t onnected therewith.	, Reg. No. 35,430; Charles H. dward J. Kelly, Reg. No. 38.9	Cella, Reg. No. 38,099; Gregory J. Glover, Re 36; Donald W. Muirhead, Reg. No. 33,978; ar nd to transact all business in the Patent and Tr	eg. No. 34,173; Johr nd Matthew P. Vince
hereby appoint Beth E. Arnold G. Gorecki, Reg. No. 38,471; E leg. No. 36,709 as attorneys to connected therewith.	, Reg. No. 35,430; Charles H. dward J. Kelly, Reg. No. 38,9 to prosecute this application ar dward J. Kelly at telephone nu	Cella, Reg. No. 38,099; Gregory J. Glover, Re 36; Donald W. Muirhead, Reg. No. 33,978; ar nd to transact all business in the Patent and Tr mber (617)832-1000.	eg. No. 34,173; Johr nd Matthew P. Vince
hereby appoint Beth E. Arnold, Gorecki, Reg. No. 38,471; Eeg. No. 36,709 as attorneys to onnected therewith. Address all telephone calls to Eaddress all correspondence to: hereby declare that all statemer elief are believed to be true; and like so made are punishable	, Reg. No. 35,430; Charles H. dward J. Kelly, Reg. No. 38,9 to prosecute this application and dward J. Kelly at telephone nu Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-217 ents made herein of my own kind further that these statements by fine or imprisonment, or both the statements of the statements o	Cella, Reg. No. 38,099; Gregory J. Glover, Re 36; Donald W. Muirhead, Reg. No. 33,978; ar nd to transact all business in the Patent and Tr mber (617)832-1000.	eg. No. 34,173; John nd Matthew P. Vince ademark Office de on information and false statements and ted States Code and
hereby appoint Beth E. Arnold, Gorecki, Reg. No. 38,471; Eeg. No. 36,709 as attorneys tonnected therewith. ddress all telephone calls to Eddress all correspondence to: hereby declare that all statemelief are believed to be true; and like so made are punishable nat such willful false statementull name of sole or first invention.	, Reg. No. 35,430; Charles H. dward J. Kelly, Reg. No. 38,9 to prosecute this application and dward J. Kelly at telephone nu Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-217 ents made herein of my own kind further that these statements by fine or imprisonment, or both the statements of the statements o	Cella, Reg. No. 38,099; Gregory J. Glover, Reg. So. 33,978; and to transact all business in the Patent and Transber (617)832-1000. To mowledge are true and that all statements mands were made with the knowledge that willful oth, under Section 1001 of Title 18 of the Unit of the application or any patent issued thereor Daniel P. Little	eg. No. 34,173; John nd Matthew P. Vince ademark Office de on information and false statements and ted States Code and
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(x) Additional inventors are being named on separately numbered sheets attached hereto.



Sheet 2 of 2

CA

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name)	Charles R. Cantor Date
Residence 11 Bay State Road, Boston, MA 02215	Citizenship US
Post Office Address SAME AS ABOVE	
Full name of fourth inventor (given name, family name)	Hubert Köster
Inventor's signature	Date
Residence 1640 Monument Street. Concord. MA 01742	Citizenship US
Post Office Address SAME AS ABOVE	

මාර්r, I hereby

Docket Number (Optional) U/19987-0012

My residence, post office address and citizenship are as stated below next to my name.

are that:

I believe I am the original, first and sole inventor (if nly ne name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: SYSTEMS AND METHODS FOR PREPARING AND ANALYZING LOW VOLUME ANALYTE ARRAY ELEMENTS

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Prior Foreign Application(s)			Priority Claimed
(Number)	(Country)	(Day/Month/Year Filed)	() Yes () No
	•	•	() Yes () No
(Number)	(Country)	(Day/Month/Year Filed)	() 100 () 110
hereby claim the benefit under	Title 35, United States Code, §	119(e) of any United States Provisional	application(s) listed below.
<u> </u>			
Application Number)	(Filing Date)		
Application Number)	(Filing Date)		
is the subject matter of each or provided by the first paragraph material to patentability as def	of the claims of this application is of Title 35, United States Code,	§ 120 of any United States application(s not disclosed in the prior United State, § 112, I acknowledge the duty to disc Regulations, § 1.56 which became avaal filing date of this application.	s application in the manne close information which is
Application Number)	(Filing Date)	(Status - patent	ed, pending, abandoned)
•			
	·		
patented, pending, abandoned			
hereby appoint Beth E. Arnold C. Gorecki, Reg. No. 38,471:) d, Reg. No. 35,430; Charles H. C Edward J. Kelly. Reg. No. 38.93	(Filing Date Cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent a	er, Reg. No. 34,173; Joh 78: and Matthew P. Vince
hereby appoint Beth E. Arnold C. Gorecki, Reg. No. 38,471; Reg. No. 36,709 as attorneys connected therewith.) d, Reg. No. 35,430; Charles H. C Edward J. Kelly. Reg. No. 38.93	Cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent a	er, Reg. No. 34,173; Joh 78: and Matthew P. Vince
hereby appoint Beth E. Arnold C. Gorecki, Reg. No. 38,471; Reg. No. 36,709 as attorneys connected therewith.	d, Reg. No. 35,430; Charles H. C Edward J. Kelly, Reg. No. 38,93 to prosecute this application and Edward J. Kelly at telephone num	Cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent a hber (617)832-1000.	er, Reg. No. 34,173; Joh 78: and Matthew P. Vince
hereby appoint Beth E. Arnole C. Gorecki, Reg. No. 38,471; Reg. No. 36,709 as attorneys connected therewith. Address all telephone calls to le Address all correspondence to hereby declare that all statem belief are believed to be true; he like so made are punishable	d, Reg. No. 35,430; Charles H. C Edward J. Kelly, Reg. No. 38,93; to prosecute this application and Edward J. Kelly at telephone num : Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170 ments made herein of my own known further that these statements e by fine or imprisonment, or bot	Cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent a hber (617)832-1000.	er, Reg. No. 34,173; Joh 78; and Matthew P. Vince and Trademark Office as made on information an villful false statements an be United States Code and
hereby appoint Beth E. Arnold C. Gorecki, Reg. No. 38,471; Reg. No. 38,471; Reg. No. 36,709 as attorneys connected therewith. Address all telephone calls to land the content of the cont	d, Reg. No. 35,430; Charles H. C Edward J. Kelly, Reg. No. 38,93; to prosecute this application and Edward J. Kelly at telephone num : Patent Group Foley, Hoag & Eliot LLP One Post Office Square Boston, Ma. 02109-2170 ments made herein of my own known further that these statements e by fine or imprisonment, or bot	Cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent and the result of the Patent and the result of the patent and the result of the patent of the application or any patent issued the patent of the patent issued the patent of the patent issued the patent is patent	er, Reg. No. 34,173; Joh 78; and Matthew P. Vince and Trademark Office as made on information an willful false statements and the United States Code and thereon.
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hereby appoint Beth E. Arnold C. Gorecki, Reg. No. 38,471; Reg. No. 38,471; Reg. No. 36,709 as attorneys connected therewith. Address all telephone calls to land the connected therewith. Address all correspondence to the connected thereby declare that all statements are believed to be true; and the like so made are punishable hat such willful false statements are punishable to the connected the connected to the connected the connected to the connected the co	d, Reg. No. 35,430; Charles H. C. Edward J. Kelly, Reg. No. 38,930 to prosecute this application and Edward J. Kelly at telephone number of the comparation of the co	cella, Reg. No. 38,099; Gregory J. Glov 6; Donald W. Muirhead, Reg. No. 33,97 to transact all business in the Patent and the result of the Patent and the result of the patent and the result of the patent is were made with the knowledge that who have section 1001 of Title 18 of the patent issued the patent is the patent	er, Reg. No. 34,173; Joh 78; and Matthew P. Vince and Trademark Office as made on information an willful false statements an the United States Code and thereon.



Sheet 2 of 2

CA

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name) Charles R.	Cantor
Inventor's signature	Date 6/5/97
Residence 11 Bay State Road, Boston, MA 02215	Citizenship US
Post Office AddressSAME AS ABOVE	
Full name of fourth inventor (given name, family name)Hubert Köster	
Inventor's signature	Date
Residence 1640 Monument Street, Concord, MA 01742	Citizenship <u>US</u>
Post Office Address SAME AS AROVE	· ————————————————————————————————————

Date

Date

Citizenship US

Citizenship US

name of sole or first inventor (given name, family name) Daniel P. Little

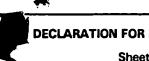
The name of second joint inventor, if any (given name, family name) Maryanne J. O'Donnell-Malonay

(x) Additional inventors are being named on separately numbered sheets attached hereto.

trentor's signature
lesidence 393 Glendale Lake Road, Patton, PA 16668
SAME AS ABOVE

Residence 8 Waldron Street, Marblehead, MA 09145
Residence 8 Waldron Street, Marblehead, MA 09145
Residence 8 Waldron Street, Marblehead, MA 09145

Post Office Address



Sheet 2 of 2

Docket Number (Optional) U/19987-0012

Full name of third inventor (given name, family name)	Charles R. Canto	or	
Inventor's signature		Date	
Residence 11 Bay State Road, Boston, MA 02215		_Citizenship _	US
Post Office Address SAME AS ABOVE			
	\wedge		
Full name of fourth inventor (given name, family name)	Hubert Köster 1		5 30 100
Inventor's signature	1/1/15	_ Date	Anne 27, 1991
Residence 1640 Monument Street, Concord, MA 01742		_ Citizenship _	THE GERMAN
Post Office Address SAME AS ABOVE			•

•				
ROOMERI	FIED STATEMENT	IMING SMALL ENTITY STATUS		Docket Number U/19987-0012
WE T	CFR 1.9(1) & 1.27(c))-3	MALL BUSINESS CONCERN		
11 April	ant or Patentee: Little. et a	1		-
1001 21				
	r Issued: January 23	1998		
TRADE Mide: S	or Patent No.: <u>08/786,98</u> r Issued: <u>January 23</u> rYSTEMS AND METHODS FO	OR PREPARING AND ANALYZING LOW YO	OLUMB ANA	ALYTE ARRAY ELEMENTS
	y declare that I am) the owner of the small busine	and condem identified below.		
1	o the owner of the shall be	usiness concern empowered to act on behalf of t	he concern ic	lentified below:
(X) an official of the small be	namers concern empowered to act on behan of		
NAME	OF SMALL BUSINESS CON	CERN Sequenom, Inc.		
		ONCERN 101 Arch Street, Suite 1950		
1		Rocton MA 02110		•

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.12, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees to the United States Patent and Trademark Office, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

() the specification filed herewith with title as listed above.

parties controls or has the power to control both.

- (x) the application identified above.
- () the patent identified above.

· If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights in the invention must file separate verified statements averting to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(e) if that person made the invention, or by any concern with would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization having any rights in the invention is listed below:

- (x) no such person, concern, or organization exists.
- () each such person, concern or organization is listed below.

Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Steven Zaniboni

TITLE OF PERSON IF OTHER THAN OWNER _ Chief Financial Officer

ADDRESS OF PERSON SIGNING 11555 Sorrento Valley Road, Suite C. San Diego, California 92121

271182.1